Please amend the claims as follows. This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

A method for enhancing the fabrication process of a self-Claim 1 (original): aligned contact (SAC) structure, the method comprising:

forming a transistor structure on a surface of a substrate;

forming a dielectric layer directly over the surface of the substrate without forming an etch stop layer thereon;

plasma etching a contact hole through the dielectric layer in a plasma processing chamber;

monitoring a bias compensation voltage of the plasma processing chamber during the plasma etching; and

discontinuing the plasma etch process upon detecting an endpoint signaling change in the bias compensation voltage.

A method for enhancing the fabrication process of a self-Claim 2 (original): aligned contact (SAC) structure as recited in claim 1, wherein the endpoint signaling change in the bias compensation voltage is detected when a portion of the surface of the substrate underlying the contact hole is substantially exposed.

Claim 3 (original): A method for enhancing the fabrication process of a selfaligned contact (SAC) structure as recited in claim 1, wherein the endpoint signaling change is an expected step increase in the bias compensation voltage.

Claim 4 (original): A method for enhancing the fabrication process of a selfaligned contact (SAC) structure as recited in claim 1, wherein forming the transistor structure on the surface of the substrate includes,

forming a gate structure over the surface of the substrate;

forming spacers along sidewalls of the gate structure; and

forming source/drain diffusion regions into the surface of the substrate, the source/drain diffusion regions being defined substantially outside of the spacers formed along sidewalls of the gate structure.

Claim 5 (original): A method for enhancing the fabrication process of a selfaligned contact (SAC) structure as recited in claim 1, wherein the dielectric layer is an interlevel dielectric (ILD) layer.

Claim 6 (currently amended): A method for enhancing the fabrication process of a self-aligned contact (SAC), the method comprising:

forming a transistor structure on a substrate, the transistor structure including a gate structure formed over a first surface of the substrate;

forming spacers along sidewalls of the gate structure;

forming source/drain diffusion regions into the first surface of the substrate, the source/drain diffusion regions being defined substantially outside of the spacers formed along sidewalls of the gate structure;

forming an interlevel dielectric (ILD) layer directly over the first surface of the substrate without forming a stop layer, such that the ILD layer overlies the gate structure, the spacers, and the first surface of the substrate;

forming a contact hole and a via hole through the ILD layer implementing a plasma etching process such that the contact hole is defined to a top layer of the gate structure and the via hole is defined to the source/drain diffusion regions;

monitoring a an electrostatic chuck (ESC) bias compensation voltage during the plasma etching process; and

discontinuing the plasma etching process when an endpoint signaling change in the ESC bias compensation voltage is detected.

A method for enhancing the fabrication process of a Claim 7 (currently amended): self-aligned contact (SAC) as recited in claim 6, wherein the endpoint signaling change in the ESC bias compensation voltage is detected when a portion of the top layer of the gate structure underlying the contact hole and a portion of the source/drain diffusion regions underlying the via hole are substantially exposed.

A method for enhancing the fabrication process of a self-Claim 8 (original): aligned contact (SAC) as recited in claim 6, wherein the gate structure includes,

a gate oxide formed over the first surface of the substrate; and

a polysilicon gate formed over the gate oxide.

Claim 9 (original): A method for enhancing the fabrication process of a selfaligned contact (SAC) as recited in claim 6, wherein forming the ILD layer over the first

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surface of the substrate includes,

depositing an oxide layer over the first surface of the substrate, the gate structure, and

spacers;

depositing a tetraethylorthosilicate (TEOS) layer over the oxide layer; and

depositing an oxide layer over the TEOS layer.

Claim 10 (original): A method for enhancing the fabrication process of a self-

aligned contact (SAC) as recited in claim 6, wherein forming spacers along the sidewalls of

the gate structure includes,

depositing a spacer layer over a first surface of the substrate and the gate structure;

and

performing a plasma etching process configured to define spacers along the sidewalls

of the gate structure.

Claims 11-15 (cancelled)

Claim 16 (currently amended): A method for accurately detecting a plasma etch

endpoint of a self-aligned contact (SAC), the method comprising:

providing a substrate having a transistor structure on a surface of the substrate;

forming a dielectric layer directly over the surface of the substrate without forming an etch stop layer thereon;

inserting the substrate into a plasma etching chamber so as to plasma etch a contact hole through the dielectric layer;

introducing etchant gases into the plasma etching chamber;

powering up the plasma etching chamber, the powering up configured to strike a plasma so as to commence the plasma etching process;

monitoring a bias level of the plasma etching chamber during the plasma etching process; and

discontinuing the plasma etching process when an endpoint signaling change in the a bias compensation voltage is detected.

Claim 17 (original): A method for accurately detecting a plasma etch endpoint of a self-aligned contact (SAC) as recited in claim 16, wherein the endpoint signaling change in the bias compensation voltage is detected when a portion of the surface of the substrate underlying the contact hole is substantially exposed.

Claim 18 (original): A method for accurately detecting a plasma etch endpoint of a self-aligned contact (SAC) as recited in claim 16, wherein the endpoint signaling change is an expected step increase in the bias compensation voltage.

Claim 19 (original): A method for accurately detecting a plasma etch endpoint of a self-aligned contact (SAC) as recited in claim 16, wherein the dielectric layer is an interlevel dielectric (ILD) layer.

Claim 20 (original): A method for accurately detecting a plasma etch endpoint of a self-aligned contact (SAC) as recited in claim 17, wherein the portion of the surface of the substrate underlying the contact hole is a gate structure.

Claim 21 (previously added): A method for enhancing the fabrication process of a self-aligned contact (SAC) structure, the method comprising:

forming a transistor structure on a surface of a substrate;

forming a dielectric layer directly over the surface of the substrate without forming an etch stop layer thereon;

plasma etching a contact hole through the dielectric layer in a plasma processing chamber;

monitoring a bias compensation voltage of the plasma processing chamber during the plasma etching; and

discontinuing the plasma etch process upon detecting an endpoint signaling change in the bias compensation voltage,

wherein the endpoint signaling change in the bias compensation voltage is detected when a portion of the surface of the substrate underlying the contact hole is substantially exposed.

Claim 22 (new): A method as recited in claim 21, wherein the bias compensation voltage is an electrostatic chuck (ESC) bias compensation voltage.

Claim 23 (new): A method as recited in claim 1, wherein the bias compensation voltage is an electrostatic chuck (ESC) bias compensation voltage.

Claim 24 (new): A method as recited in claim 16, wherein the bias compensation voltage is an electrostatic chuck (ESC) bias compensation voltage.